

**BANGALORE ELECTRICITY SUPPLY COMPANY
LIMITED**



SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	Particulars	Unit	Total Qty	Material code
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	25	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	9	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	21	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	57	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	66	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	41	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification	Km	5.25	284108
8	Supply & Providing of Spiral Earth Electrode	No	48	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	3	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	10	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	3	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	9	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	5	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	1	278916
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	3	CDS materials for General works
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	3	321438
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	21	281674+600095+607054, CDS 60
18	Supply & providing of GI wire 8SWG	kg	35	281008
19	Supply & providing of Guy wire 7/10SWG	kg	30	281110
20	Supply & providing of 11kV lightning arrestors, polymer Type,9kV 5 kA (Set=3No)	Set	3	303202, CDS 60
21	Supply & providing of LT Protection kit	No	9	301107
22	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		3	
	i) Al Lead Wire - 95 Sqmm	Mtr	105	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	11	288531

	iii) PG Clamp - Rabbit to 95 Sqmm	No	14	285508, CDS 60
	iv) Spacer for DTC Wiring	No	24	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	7	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	3	CDS 39
23	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	7	302122
24	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	35	613050
25	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	77	278911
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	7	821900
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	4	200005
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	4	280119, CDS materials for General works
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	4	321437
30	Supply & providing of Guy wire 7/10SWG	kg	40	281110
31	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	4	303202, CDS 60
32	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		4	
33	Aluminium lead wire 50 sqmm	Mtr	100	289031
34	Heavy duty long barrel copper lugs- 50 sqmm	No	15	288531
35	P.G Clamps - Rabbit to 50 sq.mm	No	18	285508, CDS 63
36	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	14	280800+280511, CDS 63
37	Spacers for DTC wiring	No	27	284503
38	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	4	CDS 39
39	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	22	200004
40	LT 4 Pin Cross Arm with clamps, bolts,nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	22	280014, CDS materials for General works
41	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	2	280012, CDS materials for General works
42	1.1 kV Pin Insulator with GI Pin	No	12	283053, CDS 5
43	No. 8 Strain Insulator	No	20	283158
44	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11	CDS materials for General works
45	Rabbit ACSR Conductor	KM	2.3	284108
46	Weasel ACSR Conductor	KM	0	CDS 69
47	Guy concreting with Boulders, Mud and Sand	No	4	0

48	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	2	CDS 69
49	PVC Pipe 40 mm Dia	Mtr	22	CDS 69
50	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	34	CDS 69
51	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	KMs	1.17	CDS 37
52	Three Phase Distribution box for 6 Connections	No's	2	CDS 37
53	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	24	CDS 37
54	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	0	CDS 37
55	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	20	CDS 37
56	Pole clamp for HT/LT AB cable	Sets	14	CDS 37
57	Eye Hook (Flat type) for fixing Clamps	Sets	16	CDS 37
58	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	8	CDS 37
59	Universal Hook, Bolts & nuts	No's	14	CDS 37
60	T-connector KZ3 95	No's	4	CDS 37
61	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	5	CDS 37
62	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	15	CDS 37
63	End cap for 50/70 Sqmm	No's	13	CDS 37
64	Guy Concreting with Mud, Boulders & Sand	Sets	6	CDS 37
65	PVC Insulated wire 16/25 Sqmm	Mtrs	10	CDS 37

PART-II ERECTION PORTION			
SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	25
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	9
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	21
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	41
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification	Km	5.25
6	Supply & Providing of Spiral Earth Electrode	No	48
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	3
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	10
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	3
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	9
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	5
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	1
13	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	3
14	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	3
15	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	21
16	Supply & providing of 11kV lightning arrestors, polymeric Type,9kV 5 kA (Set=3No)	Set	3
17	Supply & providing of LT Protection kit	No	9
18	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		3
	i) Al Lead Wire - 95 Sqmm	Mtr	105
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	11
	iii) PG Clamp - Rabbit to 95 Sqmm	No	14
	iv) Spacer for DTC Wiring	No	24
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	7
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	3

19	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	7
20	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	35
21	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	77
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	4
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300KG WL --GI with H-frame	Set	4
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	4
25	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	4
26	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		4
	Aluminium lead wire 50 sqmm	Mtr	100
	Heavy duty long barrel copper lugs- 50 sqmm	No	15
	P.G Clamps - Rabbit to 50 sq.mm	No	18
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	14
	Spacers for DTC wiring	No	27
	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	4
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	22
28	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	22
29	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	2
30	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11
31	Rabbit ACSR Conductor	KM	2.3
32	Guy concreting with Boulders, Mud and Sand	No	4
33	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	2
34	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	KMs	1.17
35	Three Phase Distribution box for 6 Connections	No's	2
36	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	24
37	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	20
38	Pole clamp for HT/LT AB cable	Sets	14
39	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	8
40	Universal Hook, Bolts & nuts	No's	14

41	T-connector KZ3 95	No's	4
42	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	5
43	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	15
44	End cap for 50/70 Sqmm	No's	13
45	Guy Concreting with Mud, Boulders & Sand	Sets	6